

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 9, 2005, 20:44:48 ; Search time 477 Seconds  
(without alignments)  
6101.749 Million cell updates/sec

Title: US-09-806-302A-1

Perfect score: 476

Sequence: 1 acgagctgcacgcagact.....cctcaattcattcca 476

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 5654200 seqs, 3057283753 residues

Total number of hits satisfying chosen parameters: 11308400

Minimum DB seq length: 0

Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications NA:\*

- 1: /cgn2\_6/ptodata/2/pubpna/PCT NEW PUB.seq.\*
- 2: /cgn2\_6/ptodata/2/pubpna/PCT NEW PUB.seq.\*
- 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW PUB.seq.\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq.\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW PUB.seq.\*
- 6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq.\*
- 7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW PUB.seq.\*
- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq.\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq.\*
- 10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq.\*
- 11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq.\*
- 12: /cgn2\_6/ptodata/2/pubpna/US09D\_PUBCOMB.seq.\*
- 13: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq.\*
- 14: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq.\*
- 15: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq.\*
- 16: /cgn2\_6/ptodata/2/pubpna/US10D\_PUBCOMB.seq.\*
- 17: /cgn2\_6/ptodata/2/pubpna/US10E\_PUBCOMB.seq.\*
- 18: /cgn2\_6/ptodata/2/pubpna/US10F\_PUBCOMB.seq.\*
- 19: /cgn2\_6/ptodata/2/pubpna/US10G\_PUBCOMB.seq.\*
- 20: /cgn2\_6/ptodata/2/pubpna/US11\_NEW PUB.seq.\*
- 21: /cgn2\_6/ptodata/2/pubpna/US60\_NEW PUB.seq.\*
- 22: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	476	100.0	476	9	US-09-985-911-5
2	476	100.0	476	19	US-10-820-136-5
3	434.2	91.2	497	9	US-09-110-716-30
4	431.6	90.7	517	14	US-10-097-340-186
5	431.6	90.7	517	15	US-10-177-293-279
6	431.6	90.7	517	16	US-10-119-431-26
7	431.6	90.7	517	17	US-10-295-027-503
8	431.6	90.7	517	18	US-10-723-860-1450
9	431.6	90.7	733	14	US-10-198-846-10282
10	429.6	90.3	503	19	US-10-491-997-23
11	424.8	89.2	677	18	US-10-723-860-5905

12	407.4	85.6	491	9	US-09-967-768A-62
13	407.4	85.6	491	19	US-10-843-641A-6207
c 14	295.2	62.0	522	10	US-09-814-353-2203
c 15	295.2	62.0	522	10	US-09-814-353-8543
c 16	295.2	62.0	522	10	US-09-814-353-14927
17	293.4	61.6	407	14	US-10-198-846-8737
18	291.8	61.3	499	14	US-10-198-846-129
19	280	58.8	368	9	US-09-867-701-6508
20	223.8	47.0	495	9	US-09-956-999-5
21	223.8	47.0	495	9	US-09-934-054-4
22	223.8	47.0	503	9	US-09-110-716-33
23	223.8	47.0	503	9	US-09-934-054-11
24	223.8	47.0	503	10	US-09-905-673-27
25	223.8	47.0	503	14	US-10-042-945-69
26	223.8	47.0	503	15	US-10-157-031-55
27	223.8	47.0	503	15	US-10-177-293-277
28	223.8	47.0	503	16	US-10-096-319-27
29	223.8	47.0	503	16	US-10-393-590-3
30	223.8	47.0	503	16	US-10-393-567-3
31	223.8	47.0	503	16	US-10-394-087-3
32	223.8	47.0	503	18	US-10-283-975A-405
33	223.8	47.0	503	18	US-10-427-217A-17
34	223.8	47.0	503	18	US-10-427-217A-18
35	223.8	47.0	535	10	US-09-975-502A-1
36	223.8	47.0	535	18	US-10-816-326-1
37	223.8	47.0	552	18	US-10-723-860-4972
38	223.8	47.0	700	14	US-10-198-846-10860
39	223.8	47.0	751	14	US-10-198-846-8492
40	223.8	47.0	878	14	US-10-198-846-10861
41	222.2	46.7	503	9	US-09-825-301-73
42	222.2	46.7	503	16	US-10-033-527-73
43	217	45.6	871	14	US-10-198-846-1659
44	211.6	44.5	429	10	US-09-905-673-49
45	211.6	44.5	429	16	US-10-096-319-49

#### ALIGNMENTS

#### RESULT 1

US-09-985-911-5  
; Sequence 5, Application US/09985911  
; Patent No. US20020151012A1  
; GENERAL INFORMATION:  
; APPLICANT: NI ET AL.  
; TITLE OF INVENTION: HUMAN ENDOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AND III  
; FILE REFERENCE: P257D3  
; CURRENT APPLICATION NUMBER: US/09/985,911  
; CURRENT FILING DATE: 2001-11-06  
; PRIOR APPLICATION NUMBER: 09/583,169  
; PRIOR FILING DATE: 2000-05-30  
; PRIOR APPLICATION NUMBER: 09/263,810  
; PRIOR FILING DATE: 1999-03-08  
; PRIOR APPLICATION NUMBER: 08/821,451  
; PRIOR FILING DATE: 1997-03-21  
; PRIOR APPLICATION NUMBER: 60/014,724  
; PRIOR FILING DATE: 1996-03-21  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 5  
; LENGTH: 476  
; TYPE: DNA  
; ORGANISM: human  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (46)..(330)  
; OTHER INFORMATION:  
; NAME/KEY: sig peptide  
; LOCATION: (46)..(108)  
; OTHER INFORMATION:  
; NAME/KEY: mat peptide  
; LOCATION: (109)..(330)  
; OTHER INFORMATION:

Sequence 62, Appl  
Sequence 6207, Ap  
Sequence 2203, Ap  
Sequence 8543, Ap  
Sequence 14927, A  
Sequence 8737, Ap  
Sequence 129, App  
Sequence 6508, Ap  
Sequence 4, Appli  
Sequence 33, Appl  
Sequence 11, Appl  
Sequence 27, Appl  
Sequence 69, Appl  
Sequence 55, Appl  
Sequence 277, App  
Sequence 27, Appl  
Sequence 3, Appli  
Sequence 3, Appli  
Sequence 405, App  
Sequence 17, Appl  
Sequence 18, Appl  
Sequence 1, Appli  
Sequence 4972, Ap  
Sequence 10860, A  
Sequence 8492, Ap  
Sequence 10961, A  
Sequence 73, Appl  
Sequence 73, Appl  
Sequence 1659, Ap  
Sequence 49, Appl  
Sequence 49, Appl

## US-09-985-911-5

Query Match 100.0%; Score 476; DB 9; Length 476;  
Best Local Similarity 100.0%; Pred. No. 2.5e-146;  
Matches 476; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACGAGCTGCCAGCAGCTGAACACAGACAGCAGCGCGCTCGCCATGAAGCTGCTGATG 60  
DB 1 ACGAGCTGCCAGCAGCTGAACACAGACAGCAGCGCGCTCGCCATGAAGCTGCTGATG 60  
QY 61 GTCCTCATGCTGGCGGCCCTCTCTGCACTGCTATGAGATCTGGCTGCAAACTCCCTG 120  
DB 61 GTCCTCATGCTGGCGGCCCTCTCTGCACTGCTATGAGATCTGGCTGCAAACTCCCTG 120  
QY 121 GAGGACATGTTGAAAGACCAATCAATCCGACATATCTATACCTGAAATACAAAGAGCTT 180  
DB 121 GAGGACATGTTGAAAGACCAATCAATCCGACATATCTATACCTGAAATACAAAGAGCTT 180  
QY 181 CTTCAAGAGTTCATAGACAGTGCCTGCTGAGAGGCTATGGGAAATTCAGCAGTGT 240  
DB 181 CTTCAAGAGTTCATAGACAGTGCCTGCTGAGAGGCTATGGGAAATTCAGCAGTGT 240  
QY 241 TTCCTCAACAGTTCATAGAACTCTGAAAAAATTTGGACTGATGATGATGATGATGATG 300  
DB 241 TTCCTCAACAGTTCATAGAACTCTGAAAAAATTTGGACTGATGATGATGATGATGATG 300  
QY 301 GACAGCATTTGCTGTAATGAGAGTAACTTACCCAGGCGTTGGCTCAGAGG 360  
DB 301 GACAGCATTTGCTGTAATGAGAGTAACTTACCCAGGCGTTGGCTCAGAGG 360  
QY 361 GCTACAGACTATGGCCAGAACTCATCTGTTGATGCTAGAAACCACTTCTTCTGTGTT 420  
DB 361 GCTACAGACTATGGCCAGAACTCATCTGTTGATGCTAGAAACCACTTCTTCTGTGTT 420  
QY 421 GCTTTTATGTCGGAACCTCTAGAACTGTTGAAACCTCAATTCATTCATTCA 476  
DB 421 GCTTTTATGTCGGAACCTCTAGAACTGTTGAAACCTCAATTCATTCATTCA 476

## RESULT 2

US-10-820-136-5  
; Sequence 5, Application US/10820136  
; Publication No. US20050026179A1  
; GENERAL INFORMATION:  
; APPLICANT: NI ET AL.  
; TITLE OF INVENTION: HUMAN ENDOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AND III  
; FILE REFERENCE: PF257D3  
; CURRENT APPLICATION NUMBER: US/10/820,136  
; CURRENT FILING DATE: 2004-04-08  
; PRIOR FILING DATE: 2001-11-06  
; PRIOR APPLICATION NUMBER: 09/583,169  
; PRIOR FILING DATE: 2000-05-30  
; PRIOR APPLICATION NUMBER: 09/263,810  
; PRIOR FILING DATE: 1999-03-08  
; PRIOR APPLICATION NUMBER: 08/821,451  
; PRIOR FILING DATE: 1997-03-21  
; PRIOR APPLICATION NUMBER: 60/014,724  
; PRIOR FILING DATE: 1996-03-21  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 5  
; LENGTH: 476  
; TYPE: DNA  
; ORGANISM: human  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (46)..(330)  
; OTHER INFORMATION:  
; FEATURE:  
; NAME/KEY: sig\_peptide  
; LOCATION: (46)..(108)  
; OTHER INFORMATION:

## FEATURE:

; NAME/KEY: mat\_peptide  
; LOCATION: (109)..(330)  
; OTHER INFORMATION:  
US-10-820-136-5

Query Match 100.0%; Score 476; DB 19; Length 476;  
Best Local Similarity 100.0%; Pred. No. 2.5e-146;  
Matches 476; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACGAGCTGCCAGCAGCTGAACACAGACAGCAGCGCGCTCGCCATGAAGCTGCTGATG 60  
DB 1 ACGAGCTGCCAGCAGCTGAACACAGACAGCAGCGCGCTCGCCATGAAGCTGCTGATG 60  
QY 61 GTCCTCATGCTGGCGGCCCTCTCTGCACTGCTATGAGATTTGGCTGCAAACTCCCTG 120  
DB 61 GTCCTCATGCTGGCGGCCCTCTCTGCACTGCTATGAGATTTGGCTGCAAACTCCCTG 120  
QY 121 GAGGACATGTTGAAAGACCAATCAATTCGACATATCTATACCTGAAATACAAAGAGCTT 180  
DB 121 GAGGACATGTTGAAAGACCAATCAATTCGACATATCTATACCTGAAATACAAAGAGCTT 180  
QY 181 CTTCAAGAGTTCATAGACAGTGCCTGCTGAGAGGCTATGGGAAATTCAGCAGTGT 240  
DB 181 CTTCAAGAGTTCATAGACAGTGCCTGCTGAGAGGCTATGGGAAATTCAGCAGTGT 240  
QY 241 TTCCTCAACAGTTCATAGAACTCTGAAAAAATTTGGACTGATGATGATGATGATGATG 300  
DB 241 TTCCTCAACAGTTCATAGAACTCTGAAAAAATTTGGACTGATGATGATGATGATGATG 300  
QY 301 GACAGCATTTGCTGTAATGAGAGTAACTTACCCAGGCGTTGGCTCAGAGG 360  
DB 301 GACAGCATTTGCTGTAATGAGAGTAACTTACCCAGGCGTTGGCTCAGAGG 360  
QY 361 GCTACAGACTATGGCCAGAACTCATCTGTTGATGCTAGAAACCACTTCTTCTGTGTT 420  
DB 361 GCTACAGACTATGGCCAGAACTCATCTGTTGATGCTAGAAACCACTTCTTCTGTGTT 420  
QY 421 GCTTTTATGTCGGAACCTCTAGAACTGTTGAAACCTCAATTCATTCATTCA 476  
DB 421 GCTTTTATGTCGGAACCTCTAGAACTGTTGAAACCTCAATTCATTCATTCA 476

## RESULT 3

US-09-110-716-30  
; Sequence 30, Application US/09110716A  
; Patent No. US20020034739A1  
; GENERAL INFORMATION:  
; APPLICANT: Lehrer, Robert I.  
; APPLICANT: Zhao, Chengquan  
; APPLICANT: Glasgow, Benjamin J.  
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS  
; FILE REFERENCE: 22000-20596.00  
; CURRENT APPLICATION NUMBER: US/09/110,716A  
; CURRENT FILING DATE: 1998-07-07  
; NUMBER OF SEQ ID NOS: 41  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 30  
; LENGTH: 497  
; TYPE: DNA  
; ORGANISM: lipophilin C  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (41)..(325)  
US-09-110-716-30

Query Match 91.2%; Score 434.2; DB 9; Length 497;  
Best Local Similarity 97.8%; Pred. No. 1.7e-132;  
Matches 451; Conservative 0; Mismatches 8; Indels 2; Gaps 1;

QY 6 CTGCCACGACGACTGAACACAGACAGCAGCGCGCTCGCCATGAAGCTGCTGATGCTCT 65  
DB 1 CTGCCACGACGACTGAACACAGACAGCAGCGCGCTCGCCATGAAGCTGCTGATGCTCT 60



```

/ PRIOR FILING DATE: 2001-06-27
/ PRIOR APPLICATION NUMBER: US 60/306,501
/ PRIOR FILING DATE: 2001-07-18
/ PRIOR APPLICATION NUMBER: US 60/325,002
/ PRIOR FILING DATE: 2001-09-25
/ PRIOR APPLICATION NUMBER: US 60/362,585
/ PRIOR FILING DATE: 2002-03-05
/ PRIOR APPLICATION NUMBER: US 60/xxx,xxx
/ PRIOR FILING DATE: 2002-05-14
/ NUMBER OF SEQ ID NOS: 506
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 279
/ LENGTH: 517
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-177-293-279

```

Query Match	90.7%	Score 431.6;	DB 15;	Length 517;
Best Local Similarity	97.4%;	Pred. No. 1.3e-131;		
Matches 450;	Conservative 0;	Mismatches 9;	Indels 3;	Gaps 1;
QY	6	CTGCCACGACGACTGAACACAGACAGCAGCGCGCTCGCCATGAAGCTGCTGATGGTCTCT	65	
DB	25	CTGCCACGACGACTGAACACAGACAGCAGCGCGCTCGCCATGAAGCTGCTGATGGTCTCT	84	
QY	66	CATGCTGGCGGCGCTCTCTCTGCACTGCTATGAGATCTTGGCTGCAAACTCTCTGGAGGA	125	
DB	85	CATGCTGGCGGCGCTCTCTCTGCACTGCTATGAGATCTTGGCTGCAAACTCTCTGGAGGA	144	
QY	126	CATGGTTGAAAAAGACCATCAATTCGACACATATCTATACCTGAATACAAAGAGCTTCTTCA	185	
DB	145	CATGGTTGAAAAAGACCATCAATTCGACACATATCTATACCTGAATACAAAGAGCTTCTTCA	204	
QY	186	AGATTTCATAGACAGTGATCCGCTGCAGAGGCTATGGGAAATTCAGCAGTGTCTTCTCT	245	
DB	205	AGATTTCATAGACAGTGATCCGCTGCAGAGGCTATGGGAAATTCAGCAGTGTCTTCTCT	264	
QY	246	CAACCACTACATAGAACTCTGAAAACTTTGGACTGATGATGCATACAGTGTACGACAG	305	
DB	265	CAACCACTACATAGAACTCTGAAAACTTTGGACTGATGATGCATACAGTGTACGACAG	324	
QY	306	CATTTGGTGTAAATATGAAGAGTAATTAACCTTTTACCCAAGCGTTTGGCTCAGAGGGCTAC	365	
DB	325	CATTTGGTGTAAATATGAAGAGTAATTAACCTTTTACCCAAGCGTTTGGCTCAGAGGGCTAC	384	
QY	366	AGACTATGGCCAGAACTCATCTGTGTATTCGTAGAACCACTTCTTCTTGTG--TTGC	422	
DB	385	AGACTATGGCCAGAACTCATCTGTGTATTCGTAGAACCACTTCTTCTTGTGTGTC	444	
QY	423	TTTTTATGTGGGAACCTGCTAGACAACTGTTGAAACCTCAATT	464	
DB	445	TTTTTATGTGGGAACCTGCTAGACAACTGTTGAAACCTCAAAAT	486	

RESULT 6  
 US-10-119-431-26  
 / Sequence 26, Application US/10119431  
 / Publication No. US20030152939A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Smithson, Glenna  
 / APPLICANT: Zerhusen, Bryan  
 / APPLICANT: Zhong, Mei  
 / APPLICANT: Khramtsov, Nikolai  
 / APPLICANT: Li, Li  
 / APPLICANT: Gusev, Vladimir  
 / APPLICANT: Padigaru, Muralidhara  
 / APPLICANT: Anderson, David  
 / APPLICANT: Shimkets, Richard A.  
 / TITLE OF INVENTION: NOVEL SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING  
 / TITLE OF INVENTION: THEM  
 / FILE REFERENCE: Cura-29 CIP1  
 / CURRENT APPLICATION NUMBER: US/10/119,431  
 / CURRENT FILING DATE: 2002-11-15

[illegible]

RESULT 8  
US-10-723-860-1450  
; Sequence 1450, Application US/10723860  
; Publication No. US20040253606A1  
; GENERAL INFORMATION:  
; APPLICANT: Aziz, Natasha  
; APPLICANT: Ginsburg, Wendy M.  
; APPLICANT: Zlotnick, Albert  
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma Compositions &

```

RESULT 9
US-10-198-846-10282
; Sequence 10282, Application US/10198846
; Publication No. US2003099974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Seelmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER

```

```

RESULT 9
US-10-198-846-10282
; Sequence 10282, Application US/10198846
; Publication No. US2003009974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSIT
; TITLE OF INVENTION: FOR IDENTIFICATION.
; TITLE OF INVENTION: THERAPY OF BREAST CA
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10282
; LENGTH: 733
; TYPE: DNA

```









GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 9, 2005, 14:11:04 ; Search time 157 Seconds  
(without alignments)  
4960.941 Million cell updates/sec

Title: US-09-806-302A-1

Perfect score: 476

Sequence: 1 acgagctgccacgacgact.....cctcaattcattccattca 476

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.\*

1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq.\*  
2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq.\*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq.\*  
4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq.\*  
5: /cgn2\_6/ptodata/1/ina/PTCUS\_COMB.seq.\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	476	100.0	476	3	US-08-821-451A-5
2	476	100.0	476	3	US-09-263-810-5
3	476	100.0	476	3	US-09-583-169-5
4	431.6	90.7	517	4	US-09-673-395A-33
5	431.6	90.7	518	4	US-09-949-016-2553
6	424	89.1	473	4	US-09-471-276-767
7	223.8	47.0	495	3	US-08-969-987-5
8	223.8	47.0	503	1	US-08-455-896-1
9	223.8	47.0	503	2	US-08-933-149-1
10	223.8	47.0	503	2	US-08-082-343-1
11	223.8	47.0	503	3	US-09-082-253-1
12	223.8	47.0	503	4	US-09-162-622-1
13	223.8	47.0	503	4	US-08-509-015-1
14	223.8	47.0	503	4	US-09-949-016-4608
15	223.8	47.0	503	5	PCT-US96-08235-1
16	223.8	47.0	535	3	US-02-215-818-1
17	223.8	47.0	535	4	US-09-467-602A-1
18	201.2	42.3	403	1	US-08-455-896-5
19	201.2	42.3	403	2	US-08-933-149-5
20	201.2	42.3	403	2	US-09-082-343-5
21	201.2	42.3	403	3	US-09-082-253-5
22	201.2	42.3	403	4	US-09-162-622-5
23	201.2	42.3	403	4	US-09-509-015-5
24	201.2	42.3	403	5	PCT-US96-08235-5
25	191.8	40.3	9261	4	US-09-949-016-14295
26	191.8	40.3	9850	4	US-09-949-016-15242
27	153.4	32.2	279	4	US-09-162-622-15

28	153.4	32.2	1233	4	US-09-620-405B-492	Sequence 492, App
29	153.4	32.2	1233	4	US-09-834-759-492	Sequence 492, App
30	153.4	32.2	1233	4	US-09-620-405B-491	Sequence 491, App
31	153.4	32.2	1233	4	US-09-834-759-491	Sequence 491, App
32	153.4	32.2	1233	4	US-09-620-405B-490	Sequence 490, App
33	153.4	32.2	1233	4	US-09-834-759-490	Sequence 490, App
34	140.2	29.5	356	4	US-09-389-681-217	Sequence 217, App
35	140.2	29.5	356	4	US-09-620-405B-217	Sequence 217, App
36	140.2	29.5	356	4	US-09-339-338-217	Sequence 217, App
37	140.2	29.5	356	4	US-09-433-826B-217	Sequence 217, App
38	140.2	29.5	356	4	US-09-604-287A-217	Sequence 217, App
39	140.2	29.5	356	4	US-09-834-759-217	Sequence 217, App
40	140.2	29.5	356	4	US-09-590-751A-217	Sequence 217, App
41	140.2	29.5	356	4	US-09-551-621-217	Sequence 217, App
42	122.4	25.7	511	4	US-09-389-681-182	Sequence 182, App
43	122.4	25.7	511	4	US-09-620-405B-182	Sequence 182, App
44	122.4	25.7	511	4	US-09-339-338-182	Sequence 182, App
45	122.4	25.7	511	4	US-09-433-826B-182	Sequence 182, App

## ALIGNMENTS

RESULT 1  
US-08-821-451A-5  
; Sequence 5, Application US/08821451A  
; Patent No. 6066724  
; GENERAL INFORMATION:  
; APPLICANT: Jian Ni, Guo-liang Yu and Reiner Gentz  
; TITLE OF INVENTION: Human Endometrial Specific Steroid-  
; TITLE OF INVENTION: Binding Factor I, II and III  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
; ADDRESSEE: CECCHI, STEWART & OLSTEIN  
; STREET: 6 BECKER FARM ROAD  
; CITY: ROSELAND  
; STATE: NEW JERSEY  
; COUNTRY: USA  
; ZIP: 07068

COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 INCH DISKETTE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WORD PERFECT 5.1

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/821,451A  
FILING DATE: March 21, 1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/014,724  
FILING DATE: March 21, 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073  
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 476 BASE PAIRS  
TYPE: NUCLEIC ACID  
STRANDEDNESS: SINGLE  
TOPOLOGY: LINEAR  
MOLECULE TYPE: CDNA  
US-08-821-451A-5

Query Match 100.0%; Score 476; DB 3; Length 476;  
Best Local Similarity 100.0%; Pred. No. 8.5e-145;  
Matches 476; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACGAGCTGCCACGACGACTGAACACAGACGACGCGCTCGCCATGAAGTCTGTATG 60

Db 1 ACAGCTGCGCAGCAGCTGACACAGACAGAGCGCGCTCGCCATGAAGCTGCTGATG 60  
Qy 61 GTCCTCATGCTGGCGCCCTCTCTGCACTGCTATGAGATTCTGGCTGCAAACTCCTG 120  
Db 61 GTCCTCATGCTGGCGCCCTCTCTGCACTGCTATGAGATTCTGGCTGCAAACTCCTG 120  
Qy 121 GAGGACATGGTTGAAAGAACCATCAATTCGACATATCTATACCTGAATACAAAGAGCTT 180  
Db 121 GAGGACATGGTTGAAAGAACCATCAATTCGACATATCTATACCTGAATACAAAGAGCTT 180  
Qy 181 CTTCAAGAGTTTATAGACAGTATGCGCTGAGAGGCTATGGGAAATTCAGAGAGCTT 240  
Db 181 CTTCAAGAGTTTATAGACAGTATGCGCTGAGAGGCTATGGGAAATTCAGAGAGCTT 240  
Qy 241 TTCCTCAACAGCTACATAGAACTCTGAAAAAATTTGGACTGATGATGATACAGGTGAC 300  
Db 241 TTCCTCAACAGCTACATAGAACTCTGAAAAAATTTGGACTGATGATGATACAGGTGAC 300  
Qy 301 GACAGCAATTTGTTGTAATATGAAGAGTAATTAATTTACCCAGGCGTTGGCTCAGAGG 360  
Db 301 GACAGCAATTTGTTGTAATATGAAGAGTAATTAATTTACCCAGGCGTTGGCTCAGAGG 360  
Qy 361 GCTACAGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTGTT 420  
Db 361 GCTACAGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTGTT 420  
Qy 421 GCTTTTATGTTGGAACTGCTAGACAACTGTTGAAACCTCAATTCATTCATTCA 476  
Db 421 GCTTTTATGTTGGAACTGCTAGACAACTGTTGAAACCTCAATTCATTCATTCA 476

## RESULT 2

US-09-263-810-5  
; Sequence 5, Application US/09263810  
; Patent No. 6174992  
; GENERAL INFORMATION:  
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz  
; TITLE OF INVENTION: Human Endometrial Specific Steroid-  
; TITLE OF INVENTION: Binding Factor I, II and III  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
; ADDRESSEE: CECCHI, STEWART & OLSTEIN  
; STREET: 6 BECKER FARM ROAD  
; CITY: ROSELAND  
; STATE: NEW JERSEY  
; COUNTRY: USA  
; ZIP: 07068  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 INCH DISKETTE  
; COMPUTER: IBM PS/2  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: WORD PERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/263,810  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/821,451  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MULLINS, J.G.  
; REGISTRATION NUMBER: 33,073  
; REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 201-994-1700  
; TELEFAX: 201-994-1744  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 476 BASE PAIRS  
; TYPE: NUCLEIC ACID  
; STRANDEDNESS: SINGLE

TOPOLOGY: LINEAR  
; MOLECULE TYPE: CDNA  
US-09-263-810-5

Query Match 100.0%; Score 476; DB 3; Length 476;  
Best Local Similarity 100.0%; Pred. No. 8.5e-145;  
Matches 476; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 ACAGCTGCGCAGCAGCTGACACAGACAGAGCGCGCTCGCCATGAAGCTGCTGATG 60  
Db 1 ACAGCTGCGCAGCAGCTGACACAGACAGAGCGCGCTCGCCATGAAGCTGCTGATG 60  
Qy 61 GTCCTCATGCTGGCGCCCTCTCTGCACTGCTATGAGATTCTGGCTGCAAACTCCTG 120  
Db 61 GTCCTCATGCTGGCGCCCTCTCTGCACTGCTATGAGATTCTGGCTGCAAACTCCTG 120  
Qy 121 GAGGACATGGTTGAAAGAACCATCAATTCGACATATCTATACCTGAATACAAAGAGCTT 180  
Db 121 GAGGACATGGTTGAAAGAACCATCAATTCGACATATCTATACCTGAATACAAAGAGCTT 180  
Qy 181 CTTCAAGAGTTTATAGACAGTATGCGCTGAGAGGCTATGGGAAATTCAGAGAGCTT 240  
Db 181 CTTCAAGAGTTTATAGACAGTATGCGCTGAGAGGCTATGGGAAATTCAGAGAGCTT 240  
Qy 241 TTCCTCAACAGCTACATAGAACTCTGAAAAAATTTGGACTGATGATGATACAGGTGAC 300  
Db 241 TTCCTCAACAGCTACATAGAACTCTGAAAAAATTTGGACTGATGATGATACAGGTGAC 300  
Qy 301 GACAGCAATTTGTTGTAATATGAAGAGTAATTAATTTACCCAGGCGTTGGCTCAGAGG 360  
Db 301 GACAGCAATTTGTTGTAATATGAAGAGTAATTAATTTACCCAGGCGTTGGCTCAGAGG 360  
Qy 361 GCTACAGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTGTT 420  
Db 361 GCTACAGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTGTT 420  
Qy 421 GCTTTTATGTTGGAACTGCTAGACAACTGTTGAAACCTCAATTCATTCATTCA 476  
Db 421 GCTTTTATGTTGGAACTGCTAGACAACTGTTGAAACCTCAATTCATTCATTCA 476

## RESULT 3

US-09-583-169-5  
; Sequence 5, Application US/09583169  
; Patent No. 6338948  
; GENERAL INFORMATION:  
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz  
; TITLE OF INVENTION: Human Endometrial Specific Steroid-  
; TITLE OF INVENTION: Binding Factor I, II and III  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
; ADDRESSEE: CECCHI, STEWART & OLSTEIN  
; STREET: 6 BECKER FARM ROAD  
; CITY: ROSELAND  
; STATE: NEW JERSEY  
; COUNTRY: USA  
; ZIP: 07068  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 INCH DISKETTE  
; COMPUTER: IBM PS/2  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: WORD PERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/583,169  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/821,451  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MULLINS, J.G.  
; REGISTRATION NUMBER: 33,073

Qy	6	CTGCCACGACGACTGAAACACAGACAGACGCCCTCGCCATGAACTGCTGATGTCCT	65
Db	25	CTGCCACGACGACTGAAACACAGACAGACGCCCTCGCCATGAACTGCTGATGTCCT	84
Qy	66	CATGCTGGGGGGCCCTCCTCTGCACTGCTATGAGATTCTGGCTGCAAACTCCTCGAGGA	125
Db	85	CATGCTGGGGGGCCCTCCTCTGCACTGCTATGAGATTCTGGCTGCAAACTCCTCGAGGA	144

QY 126 CATGTTGTAAGACCATCAATTCGACATATCTATACCTGAATCAAAAGAGCTTCTTCA 185  
Db 145 CATGGTTGAAAGAGACCATCAATTCGACATATCTATACCTGAATCAAAAGAGCTTCTTCA 204  
QY 186 AGAGTTTCATAGACAGTATGCGCGCTGCAGAGGCTATGGGGAATTCGAAGCAGTGTTCCT 245  
Db 205 AGAGTTTCATAGACAGTATGCGCGCTGCAGAGGCTATGGGGAATTCGAAGCAGTGTTCCT 264  
QY 246 CAACCAAGTCACATAGAACTCTGAAAACTTTGGAGCTGATGATGCATACAGTGTACGACAG 305  
Db 265 CAACCAAGTCACATAGAACTCTGAAAACTTTGGAGCTGATGATGCATACAGTGTACGACAG 324  
QY 306 CATTTGGTGTATATGAAGAGTAATTAACCTTTACCAAGCGCTTTGGCTCAGAGGGCTAC 365  
Db 325 CATTTGGTGTATATGAAGAGTAATTAACCTTTACCAAGCGCTTTGGCTCAGAGGGCTAC 384  
QY 366 AGACTATGCGCAGAACTCATCTGTTGATTTGCTAGAAACCACTTTCCTTTGCTGTTGTC 422  
Db 385 AGACTATGCGCAGAACTCATCTGTTGATTTGCTAGAAACCACTTTCCTTTGCTGTTGTC 444  
QY 423 TTTTATGTTGGAACTGCTAGACAACTGTGTGAAACCTCAAT 464  
Db 445 TTTTATGTTGGAACTGCTAGACAACTGTGTGAAACCTCAAT 486

RESULT 6

US-09-471-276-767  
; Sequence 767, Application US/09471276  
; Patent No. 6822072  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, J.B.  
; APPLICANT: Duclert A.  
; APPLICANT: Giordano, J.Y.  
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
; Patent No. 6822072  
; FILE REFERENCE: GENSET 025CP1  
; CURRENT APPLICATION NUMBER: US/09/471,276  
; CURRENT FILING DATE: 1999-12-21  
; EARLIER APPLICATION NUMBER: 09/057,719  
; EARLIER FILING DATE: 1998-04-09  
; EARLIER APPLICATION NUMBER: 09/069,047  
; EARLIER FILING DATE: 1998-04-28  
; EARLIER APPLICATION NUMBER: PCT/IB99/00712  
; EARLIER FILING DATE: 1999-04-09  
; NUMBER OF SEQ ID NOS: 1622  
; SOFTWARE: Patent.pm  
; SEQ ID NO 767  
; LENGTH: 473  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 60..344  
; NAME/KEY: sig peptide  
; LOCATION: 60..113  
; OTHER INFORMATION: Von Heijne matrix  
; OTHER INFORMATION: score 10.3000001907349  
; OTHER INFORMATION: seq VLMALALLHCYA/DS  
US-09-471-276-767

Query Match 89.1%; Score 424; DB 4; Length 473;  
Best Local Similarity 96.9%; Pred. No. 7.5e-128;  
Matches 440; Conservative 3; Mismatches 8; Indels 3; Gaps 1;  
QY 6 CTGCCACGACCACTGAACACACACAGCAGCGCCCTCGCCATCAAGCTGCTGATGTCTCT 65  
Db 20 CTGCCACGACCACTGAACACACAGCAGCGCCCTCGCCATCAAGCTGCTGATGTCTCT 79  
QY 66 CATGCTGGCGGCCCTCTCTCTGCTATGAGATTTCTGGCTGCAAACTCTCTGAGGA 125  
Db 80 CATGCTGGCGGCCCTCTCTCTGCTATGAGATTTCTGGCTGCAAACTCTCTGAGGA 139

QY 126 CATGTTGTAAGACCATCAATTCGACATATCTATACCTGAATCAAAAGAGCTTCTTCA 185  
Db 140 CATGGTTGAAAGAGACCATCAATTCGACATATCTATACCTGAATCAAAAGAGCTTCTTCA 199  
QY 186 AGAGTTTCATAGACAGTATGCGCGCTGCAGAGGCTATGGGGAATTCGAAGCAGTGTTCCT 245  
Db 200 AGAGTTTCATAGACAGTATGCGCGCTGCAGAGGCTATGGGGAATTCGAAGCAGTGTTCCT 259  
QY 246 CAACCAAGTCACATAGAACTCTGAAAACTTTGGAGCTGATGATGCATACAGTGTACGACAG 305  
Db 260 CAACCAAGTCACATAGAACTCTGAAAACTTTGGAGCTGATGATGCATACAGTGTACGACAG 319  
QY 306 CATTTGGTGTATATGAAGAGTAATTAACCTTTACCAAGCGCTTTGGCTCAGAGGGCTAC 365  
Db 320 CATTTGGTGTATATGAAGAGTAATTAACCTTTACCAAGCGCTTTGGCTCAGAGGGCTAC 379  
QY 366 AGACTATGCGCAGAACTCATCTGTTGATTTGCTAGAAACCACTTTCCTTTGCTGTTGTC 422  
Db 380 AGACTATGCGCAGAACTCATCTGTTGATTTGCTAGAAACCACTTTCCTTTGCTGTTGTC 439  
QY 423 TTTTATGTTGGAACTGCTAGACAACTGTGTGAA 456  
Db 440 TTTTATGTTGGAACTGCTAGACAACTGTGTGAA 473

RESULT 7

US-08-969-987-5  
; Sequence 5, Application US/08969987A  
; Patent No. 6303297  
; GENERAL INFORMATION:  
; APPLICANT: Lincoln, Steve  
; APPLICANT: Klinger, Tod M.  
; APPLICANT: Au-Young, Janice  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Goold, Richard  
; APPLICANT: Akerblom, Ingrid E.  
; APPLICANT: Seilhamer, Jeffrey J.  
; APPLICANT: Hawkins, Phillip R.  
; APPLICANT: Murry, Lynn E.  
; APPLICANT: Deleane, Angelo M.  
; APPLICANT: Levine, Wendy B.  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Goli, Surya K.  
; APPLICANT: Altus, Christina M.  
; APPLICANT: Bandman, Olga  
; APPLICANT: Labrie, Samuel T.  
; APPLICANT: Shah, Purvi  
; TITLE OF INVENTION: Database for Storage and Analysis of  
; TITLE OF INVENTION: Full Length Sequences  
; FILE REFERENCE: 6514-069001  
; CURRENT APPLICATION NUMBER: US/08/969,987A  
; CURRENT FILING DATE: 1997-11-13  
; EARLIER APPLICATION NUMBER: 08/282,955  
; EARLIER FILING DATE: 1995-07-29  
; EARLIER APPLICATION NUMBER: 08/187,530  
; EARLIER FILING DATE: 1994-01-27  
; EARLIER APPLICATION NUMBER: 08/179,873  
; EARLIER FILING DATE: 1994-01-11  
; EARLIER APPLICATION NUMBER: 08/100,523  
; EARLIER FILING DATE: 1993-08-03  
; EARLIER APPLICATION NUMBER: 07/977,780  
; EARLIER FILING DATE: 1992-11-19  
; EARLIER APPLICATION NUMBER: 07/916,491  
; EARLIER FILING DATE: 1992-07-17  
; EARLIER APPLICATION NUMBER: 08/289,822  
; EARLIER FILING DATE: 1994-08-12  
; EARLIER APPLICATION NUMBER: 08/581,240  
; EARLIER FILING DATE: 1995-12-29  
; EARLIER APPLICATION NUMBER: 08/657,697  
; EARLIER FILING DATE: 1996-05-29  
; EARLIER APPLICATION NUMBER: 08/747,547  
; EARLIER FILING DATE: 1996-11-12  
; EARLIER APPLICATION NUMBER: 08/712,710

Sequence 11, Application US/08933149  
Patent No. 522336  
GENERAL INFORMATION:  
APPLICANT: WATSON, MARK A.  
APPLICANT: FLEMING, TIMOTHY P.  
TITLE OF INVENTION: MAMMALGLOBIN  
TITLE OF INVENTION: MAMMARY SPE  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:

ADDRESSEE: HOWELL & HAFERKAMP, L.C.  
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
CITY: ST. LOUIS  
STATE: MISSOURI  
COUNTRY: USA  
ZIP: 63105-1817  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/933,149  
FILING DATE:  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: HENDERSON, MELODIE W.  
REGISTRATION NUMBER: 37,848  
REFERENCE/DOCKET NUMBER: 6029-6040  
TELEPHONE: (314) 727-5188  
TELEFAX: (314) 727-6092  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 503 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA to mRNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-933-149-1

	Query Match	47.08;	Score	223.8;	DB 2;	Length	503;			
	Best Local Similarity	71.4%;	Pred.	No. 1.4e-62;						
	Matches	325;	Conservative	0;	Mismatches	122;	Indels	8;	Gaps	2;
QY	7	TGCACGCGCAGCTGAACACAGACAGACAGCGCCCTCGCCATGAAGCTGCTGATGGTCTC	66							
Db	22	TGCCACCGCGACTGAACACCGACAGCAGCGCTCACCATGAAGTTGCTGATGGTCTC	81							
QY	67	ATGCTGGCGGCCCTCTCTTGCACTGTATG CAGATTCTGGCTGCAAACCTCTCGAGGAC	126							
Db	82	ATGCTGGCGGCCCTCTCCCAGCACTGTACG CAGGCTCTGCTGCCOCTTATTGGAGAAT	141							
QY	127	ATGGTTGAAAGACCATCAATTCG GACATATCTATAC TCGTAATACAAAGAGCTTCTTCAA	186							
Db	142	GTGATTTCCAAGACAATCAATCC ACAAGTGTCTAAGACTGAATACAAAAGACTTCTTCAA	201							
QY	187	GAGTTGANTAGACAGTGTATGCGGCTG CAGAGGCTATGGGAAATTCACAGCAGTGTTCCTC	246							
Db	202	GAGTTGATAGACGACATGCGCCTAC AAAATGCCATAGATGAATGGAAGGAATGTTTTCTT	261							
QY	247	AACGAGTCATAGAACTCTGMAAACTT TGGACTGATGTCATACAGTGTACGACAGC	306							
Db	262	AACCAAACGATGAACTCTGAGCNA TGTGGAGTGTATTGCAATTAATAATATGACAGC	321							
QY	307	ATTTGGTGTAAATGAAGAGTAATPA CTTTTACCAAGGGCTTTGGCTCAGAGGGCTTACA	366							
Db	322	AGTCTTTGTGATTT-----ATT TTAACCTTTCTGCAAGACCTTTGGCTCACAAGAAGTCSA	375							
QY	367	GACTATGGCCAGAACCTCATCTG TTGATTGCTTAGAAAC--CACTTCTCTTGTGTGCTT	424							
Db	376	GGGTATGGTGAGAAACCAACTAC CGAATGCTGCAAAACCAACCTTCTCTTCTTATGTCT	435							
QY	425	TTTATGTGGAACTGCTPAGACAA CTGTGAAACCT	459							
Db	436	TTTTACTACAAACTTACAGAACA ATGTTGAAACCT	470							

## RESULT 10

US-09-082-343-1

US-09-082-343-1  
: Sequence 1. Application US/09082343

Qy	7	TGCCACGCACGACTGAACACAGACAGCGCGCTCGCCATGAAGCTCCTGATGTCCTC	66
Db	22	TGCCACCGCGACTGAACACGACAGCAGCCTCACCATGAAGTTGCTGATGTCCTC	81
Qy	67	ATGCTGGGGGCCCTCCTCGCACTGTATGCAGAATTCTGGCTGCAAACTCCTGAGGAC	126
Db	82	ATGCTGGCGGCCCTCTCCAGCACTGTCTACGACGCTCTGGCTGCCCTTATTGGAGAA	141
Qy	127	ATGTTTGAAAAGACCATCAATTCGACATATCTACTGAATACAAGAGCTTCTTCAA	186
Db	142	GTGANTTCCAAGACAACTCAATCCACAAGTGTCTAAGACTGAATACAAGAACTTCTTCAA	201
Qy	187	GAGTTTCATAGACAGTGTATGCCGTGACAGAGCTATGGGAAATTCACGACGTGTTTCTC	246
Db	202	GAGTTTCATAGACACATGCCATGCCATCAAAATGCCATAGATGAATTCGAGGAATGTTTTCTT	261
Qy	247	AACCACTCATAGAACTCTGAAAAACTTTGGACTGATGTCATACAGTGTACGACAGC	306
Db	262	AACCAACCGATGAAACTCTGAGCAAATGTTGAGGTGTTTATGCAATTAATAATATACAGC	321
Qy	307	ATTTGGTGTAAATGAAGAGTAATTAACCTTACCAAGGCGTTTGGCTCAGAGGCTACA	366
Db	322	AGTCTTTTGTGANTT-----ATTTTAACTTTCTCAAGACCTTTGGCTCAGAGAACTGCA	375





322	AGCTCTTGTGATTT-----ATTTTAACCTTCTGCAAGACCTTTGGCTACAGAACTGCA	375
Db		
367	GACTATGCCGCAAGACTCATCTGTTGATGTCTAGAAAC--CACCTTCTCTTCTGTGTGCTT	424
Qy		
376	GGGTATGTGTGAGAAACCAACTACCGATGTGTGCAAAACCAACCTTCTTTCTTATGTCT	435
Db		
425	TTTATGTGGGAAGCTGCTAGACAACTGTTGAAACCT	459
Qy		
436	TTTTACTACAAACTACAAAGACAAATGTTTGAACCT	470
Db		

## RESIN.T 15

```

PCT-US96-08235-1
; Sequence 1, Application PC/TUS9608235
; GENERAL INFORMATION:
; APPLICANT: WATSON, MARK A.
; APPLICANT: FLEMING, TIMOTHY P.
; TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
; TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROGERS, HOWELL & HAFERKAMP
; STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63105-1817
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/08235

```

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:  
NAME: HOLLAND, DONALD R.  
REGISTRATION NUMBER: 35,197  
REFERENCE/DOCKET NUMBER: 964796  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (314) 727-5188  
TELEFAX: (314) 727-6032  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 503 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA to mRNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
PCT-US96-08235-1

Query Match 47.0%; Score 223.8; DB 5; Length 503;  
Best Local Similarity 71.4%; Pred. No. 1.4e-62;  
Matches 325; Conservative 0; Mismatches 122; Indels 8; Gaps 2;

7	TGCCACGCACGACTGAACACAGACAGCAGCGCGCTGCCCATGAAGCTGCTGATGTCCTC	66
22	TGCCACCGCAGCTGAACACCGACAGCAGCAGCGCTCACCATGAAGTTGCTGATGGTCTCCTC	81
67	ATGCTGGGGCGCCCTCTCTCGACTGCTATGCGAGATCTGGCTGCAAACTCTCTGGAGGAC	126
82	ATGCTGGGGCGCCCTCTCTCCAGCACTGCTACGCGAGGCTCTGGCTGCCCTTTATTGGAGAA	141
127	ATGTTGTAAGAAAGACATCAATTCCGCATATCTATACCTGAAATACAAAGAGCTTCTTCAA	186
142	GTGATTTCCAGACAATCAATCCACAGTGTCTAAGACTGAATACAAAGAACTTCTTCAA	201
187	GAGTTCATPAGACAGTGAATCGCGCTGCGAGGCTATCGGGAAATTCAGCAGTGTTCCTC	246
202	GAGTTCATPAGACGCAATGCCACTTACAAATGCCATAGATGAATTGAAGAGATGTTTCTT	261

247	AACAGTCACATGAACTCTGAAAAA	CTTTGGACTGATGATGATCAATACAGTGTA	CACAGC	306
252	AACAAAACGGATGAACCTCGAGCAAT	GTTGAGGTGTTTATGCATTAATATATACAGC		321
307	ATTTTGGTGAATATGAGAGTAATAAAC	TTTACCRAAGCGTTTGCGCTCAGAGGGCTACA		366
322	AGCTTTGTGTGATTT-----ATTTTAACT	TTTTCTGTGCAAGACCTTTGGCTCACAGA	ACTGCA	375
367	GACTATGCCACAGAACTCATCTGTGTGAT	TGCTAGAAAAC--CACTTTCTTCTGTGTGCTTT		424
376	GGGTATGGTNGAAAAACCACTACGGAT	TGCTGCAAAACCACTTCTCTTCTTATGTCT		435
425	TTTATGTGGGAACGTCTAGACAACTGT	TGAAACCT		459
436	TTTTTACTACAAACTACAAAGCAATTT	TGAAACCT		470

Search completed: May 9, 2005, 21:14:06  
Job time : 163 secs

**This Page Blank (uspto)**